

Per/09

7/22/2001

Serial Number: 09/869,098

CRF Processing Date: 7/22/2001  
 Edited by: [Signature]  
 Verified by: [Signature] (STIC staff)

**ENTERED**

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☒ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: 1
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☒ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form. 3/1/95

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/869,098

DATE: 07/27/2001

TIME: 17:18:02

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07272001\I869098.raw

```

1 <110> APPLICANT: Takeda Chemical Industries, Ltd.
W--> 2 <120> TITLE OF INVENTION: UCP-2 promoter DNA
W--> 3 <130> FILE REFERENCE: 2583WO0P
C--> 4 <140> CURRENT APPLICATION NUMBER: US/09/869,098
C--> 4 <141> CURRENT FILING DATE: 2001-06-21
4 <150> PRIOR APPLICATION NUMBER: JP 10-366719
5 <151> PRIOR FILING DATE: 1998-12-24
W--> 6 <160> NUMBER OF SEQ ID: 5
8 <210> SEQ ID NO: 1
9 <211> LENGTH: 3505
10 <212> TYPE: DNA
11 <213> ORGANISM: Human
W--> 12 <400> SEQUENCE: 1
C--> 13 aacggatctg cccgcctcag cctcccaaag tgctgggatt gcaggcgtga gccacctcac 60
14 ctggctacaa gttttcaaaa tacatttata tagtaccat acattctcca gtttgtccac 120
15 aggacatctt atgacttgag caagctgcta aaaatccaag ggtgcagcgt ttgtatgtct 180
16 ataggattgc tcagatctgc cccaccctg aaagaattta agagaatttc ttgaggccag 240
17 gcacagtggc tcacacctgt aattccagta ctgtgagagt ccgaggtcag aggactgctt 300
18 gaggccagga gttcaagagc agcctggaca acacagggag acctgtcact acaaagaata 360
19 aataaattag ccaggcttag tggctcatcc ctgtggtccc agctactagg gaggcagaag 420
20 taggactgct tgtcccagga ggtcaagact gcagtgaagt gagaccagc cacctgcatt 480
21 ccagcctggg caacaaaaag agaccctgtc tcaaaaaata agttaataa ataaataata 540
22 aaaatagttt aaaccctaaa cacatcttct ttttcaaaga ggacttctta aggacttcat 600
23 gctgcgtcct gttgatctcc acttcccttt ttccagctcc acacttttaa cagtctcttt 660
24 tgccaaggat aataagtata tagtttctgg aatccagatt ctccctggt ttggacagcca 720
25 gggggacaat ttttggtctg caggcctttg catctgttct gctgttgctc agcaatctca 780
26 cagcaaatth gccgagcctc tccggaatgc acagccagac agagctcagc gcaaaagcta 840
27 gagaacctgg cggaggggaga ctacagtg cacaacaaaa ctttatcttt tctttttttt 900
28 tttcttttct tcttttctct tcttttcttg tctttctgtc tttcctctct ctctctctgt 960
29 ctttttttcc tcttttctct tcttttttcc tacatggcaa gatctcctca tggcagaaat 1020
30 aatctgcctt gacttctggt tccacgtgct ttctgccagg accatgcgct cggcgtgttt 1080
31 ttctttccgc tataattatc caggcccatc ccagctctgg tccctcagc tgttccctgg 1140
32 cagtcccttc tgctggtgaa aacacatatg gcgcgggctt gaccagggtg taagtgtgtg 1200
33 aatatcagga agatgactga acgtcttttg gactccggtt cctcattgta aaatggaggt 1260
34 taataccagc cttcttctac tccccaaacg cacgtgtttg tcccggccag agggcccaat 1320
35 tgttggtgtg tcacgcatca gttaccccca caggacgggt cagccaatta aaggcgaacc 1380
36 agggccggtc catctcctga cgccttttct catcccagg ctggacaggc agctggcctg 1440
37 ggcccggctc tgccttgtca cgtgcggggg ccggcccggt tgcttgtctg tgtgtaggag 1500
38 cgtgagggtc cgtggtgtgc tcccgcccg ccggggcctt tagtgtccct ggtccctaaa 1560
39 cgccaggccg ctccaccggg ggagaaggcg cgaacccag ccgagcccaa cggctgttgt 1620
40 cgggtgcccg gccacctgtt gctgcagttc tgattggttc cttccccga caacgcggcg 1680
41 gctgtaacca atcgacagcg aggcgggtcg cgaggcccca gtcccgcct gcaggagcca 1740
42 gccgcgcgct cgtcgcagc aggggtggta gtttggccag cgtagggggg ctgggcccac 1800
43 aaaagaggaa gtgcacttaa gacacggccc cgtggagcgc ttgttagaaa ccgtcctggc 1860
44 tgggaaggca agaggtgtgt gactggacaa gacttgtttc tggcggtcag tcttgccatc 1920
45 ctacagagg ttggcgccc gagagagtgt gaggcagagg cggggagtgg caagggagtg 1980
46 accatctcgg ggaacgaagg agtaaagcgc gtgatgggac gcacggaaac gggagtggag 2040

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/869,098

DATE: 07/27/2001

TIME: 17:18:02

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07272001\I869098.raw

```

47 aaagtcacatgg agagaaccct aggcggggcg gtccccgcgg aaaggcggt gctccagggt 2100
48 ctccgcaccc aagtaggagc tggcaggccc ggcggcgccc cgcaggcccc accccgggccc 2160
49 ccgccccga ggcattaagcc gcgcgcgcgc ctgcgcggag ccccaactgcg aagcccagct 2220
50 gcgcgcgcct tgggattgac tgtccacgct cgcggcgctc gtccgacgcg cctccgcca 2280
51 gcgcacagac acagccgcac gcactgccgt gttctccctg cggctcggtg agcctggccc 2340
52 cagccctgcg ccttttgcgc ccccaacgct tgttctgcgt gcgctgcccg ctcttccatt 2400
53 taccttctct cccaccaag tttgtactct tttctttctc tcggttttat tttttgtttt 2460
54 tgtttgtttg tttgagacag gctttcgctc tgtctcccag gctggagtgc agtggcgcca 2520
55 tctcggtcca ctgcagcctc cacctcccag gttcaagcga tccgcctgcc gagtagctgg 2580
56 gattacaggg gcccgccacc acgcctggct aatttttgtg tttttagag atggggtttc 2640
57 gccatgttg ccaggctggc ctggaactgc tcagctcaag caatccgccc gcctcgccct 2700
58 cacaaagtcc tagaatttta ggcagagacc tccgggtccg gcctgtgcta atcctttctg 2760
59 tccttggttc tttatttccc ttctctcttt ttcttagtcc cttttgttct tccctctccc 2820
60 cgttcagttg gctgtcgttt gagcctccac cttttcactc cctcctttcc accacgatgc 2880
61 cgagccctgc cttggatggg gaccatcagc gatgaccaca atgacctctc ccttaccagg 2940
62 cagctccagg cagtgttccg gcaccgcctt tcccaaggct tgggggcttt ttctagtggg 3000
63 ctttgagctg ctcaatctgg cctctgcagg gccggctccc agcccttcca acctcctcac 3060
64 agcccgacct gggacctagc caattcccg agagtctctg tcccatcgtg accccctcac 3120
65 aactctccca ctcaccaaag tctgatgact gtgctagggg gtgcttatat agagtactga 3180
66 gtgttacaaa agcagaagtc tggatgagaa ccaatttgtg atattaagca ggtgggggtg 3240
67 ggggtggggag tgtacctagg ttcatcttcc gccctgcttt tcccttttcc agtgtgtgca 3300
68 cttaaccagt ccttgggccc tgttccccat cccctccaa ggcattggatt ggggtgggctt 3360
69 gtgtgtcttg gggcaggtgg ccttttctaa actctctgcc tttgtcacc cacaggacac 3420
70 atagtatgac cattaggtgt ttcgtctccc acccatttcc tatggaaaac caaggggatc 3480
71 gggccatgat agccactggc agctt 3505
73 <210> SEQ ID NO: 2
74 <211> LENGTH: 30
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
W--> 77 <220> FEATURE:
78 <223> OTHER INFORMATION: Primer
W--> 79 <400> SEQUENCE: 2
C--> 80 atgggttgggt tcaaggccac agatgtgccc 30
82 <210> SEQ ID NO: 3
83 <211> LENGTH: 30
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
W--> 86 <220> FEATURE:
87 <223> OTHER INFORMATION: Primer
W--> 88 <400> SEQUENCE: 3
C--> 89 atacaggccg atgcggacag aggcaaagct 30
91 <210> SEQ ID NO: 4
92 <211> LENGTH: 28
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence
W--> 95 <220> FEATURE:
96 <223> OTHER INFORMATION: Primer
W--> 97 <400> SEQUENCE: 4
C--> 98 caaagctgcc agtggctatc atggcccg 28

```

## RAW SEQUENCE LISTING

DATE: 07/27/2001

PATENT APPLICATION: US/09/869,098

TIME: 17:18:02

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07272001\I869098.raw

```
100 <210> SEQ ID NO: 5
101 <211> LENGTH: 30
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
W--> 104 <220> FEATURE:
      105 <223> OTHER INFORMATION: Primer
W--> 106 <400> SEQUENCE: 5
C--> 107 gaccggtcga cccagatctg ggtcgacctg 30
```

## VERIFICATION SUMMARY

DATE: 07/27/2001

PATENT APPLICATION: US/09/869,098

TIME: 17:18:03

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07272001\I869098.raw

L:2 M:283 W: Missing Blank Line separator, <120> field identifier  
L:3 M:283 W: Missing Blank Line separator, <130> field identifier  
L:4 M:270 C: Current Application Number differs, Replaced Current Application No  
L:4 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:6 M:283 W: Missing Blank Line separator, <160> field identifier  
L:12 M:283 W: Missing Blank Line separator, <400> field identifier  
L:13 M:112 C: (48) String data converted to lower case,  
M:112 Repeated in SeqNo=1  
L:77 M:283 W: Missing Blank Line separator, <220> field identifier  
L:79 M:283 W: Missing Blank Line separator, <400> field identifier  
L:80 M:112 C: (48) String data converted to lower case,  
L:86 M:283 W: Missing Blank Line separator, <220> field identifier  
L:88 M:283 W: Missing Blank Line separator, <400> field identifier  
L:89 M:112 C: (48) String data converted to lower case,  
L:95 M:283 W: Missing Blank Line separator, <220> field identifier  
L:97 M:283 W: Missing Blank Line separator, <400> field identifier  
L:98 M:112 C: (48) String data converted to lower case,  
L:104 M:283 W: Missing Blank Line separator, <220> field identifier  
L:106 M:283 W: Missing Blank Line separator, <400> field identifier  
L:107 M:112 C: (48) String data converted to lower case,